

## SOFT SILICONE ADHESIVES FOR MEDICAL APPLICATIONS

### CUSTOMIZED FORMULATIONS FOR USE-SPECIFIC REQUIREMENTS

The right touch in any medical application can enhance a patient's experience of care and sense of well-being. NuSil™ high purity Soft Silicone Adhesives (SSAs) provide permeability, protection and atraumatic removal from the skin, making them ideal for applications such as:

- Wound care
- Scar management
- Wearable monitoring devices
- Medical tape

Compared to other adhesive chemistries, NuSil™ brand SSAs gently detach from the skin. Available in off-the-shelf or custom formulations, NuSil™ SSAs can be tuned to meet specific performance and processing properties. Key material properties such as cure profiles, viscosity and adhesion can be optimized to match your unique production and medical application requirements.

### Key SSA Advantages

**Biocompatibility/Purity:** Soft silicone adhesives are non-irritating to skin, enabling them to be used with confidence for extended periods of time.

**Breathability:** SSAs offer superior breathability, which aids in wound healing, and have been shown to help reduce the redness as well as the profile of a scar.

**Solvent-free:** Production is simplified because the NuSil™ SSAs do not contain solvent. Therefore, no validation of solvent removal is required.

NuSil™ brand SSAs are part of our Premium Care line, specifically designed for medical applications requiring a higher level of regulatory support. This line also offers the ability to go beyond our standard offering, such as customization of material properties, product packaging and testing.



SSAs are non-irritating to the skin, which enables them to be used for extended periods of time. In addition, SSAs offer superior breathability, which aids in wound healing.

## SELECT SSA PRODUCT PROPERTIES

NuSil™ SSAs are two-part, platinum catalyzed, addition cure clear gel adhesive for applications requiring temporary adhesion.

	MED-6350	MED-6360	MED-6362
Viscosity (Part A)	25,000 cP (25,000 mPas)	500 cP (500 mPas)	5,000 cP (5,000 mPas)
Viscosity (Part B)	16,500 cP (16,500 mPas)	250 cP (250 mPas)	2,700 cP (2,700 mPas)
Hardness*	15 mm	13 mm	13 mm
Relative Tack**	Low	Medium	High

\*62.4g cone, 60 seconds

\*\*Relative to each product listed

### Customization Mastered

Each device you create has unique characteristics—different substrates, different production processes—which can require unique silicone properties—viscosity, pot life, adhesion—to enable optimum productivity and value.

We know that standard solutions don't always fit. That's why we collaborate with customers to create custom products based on their unique applications. And after three decades serving the most demanding industries, we've honed our processes and proprietary equipment to take customization to a mass scale.

To date, we have over 3,000 products in our formulation database. We leverage this experience to tailor our silicones to your unique specifications, from polymer design through formulation and packaging. We can create unique SSA products in small batches or commercial quantities, whether off-the-shelf or custom.

### Silicone Sales & Services UK - Ireland - Benelux

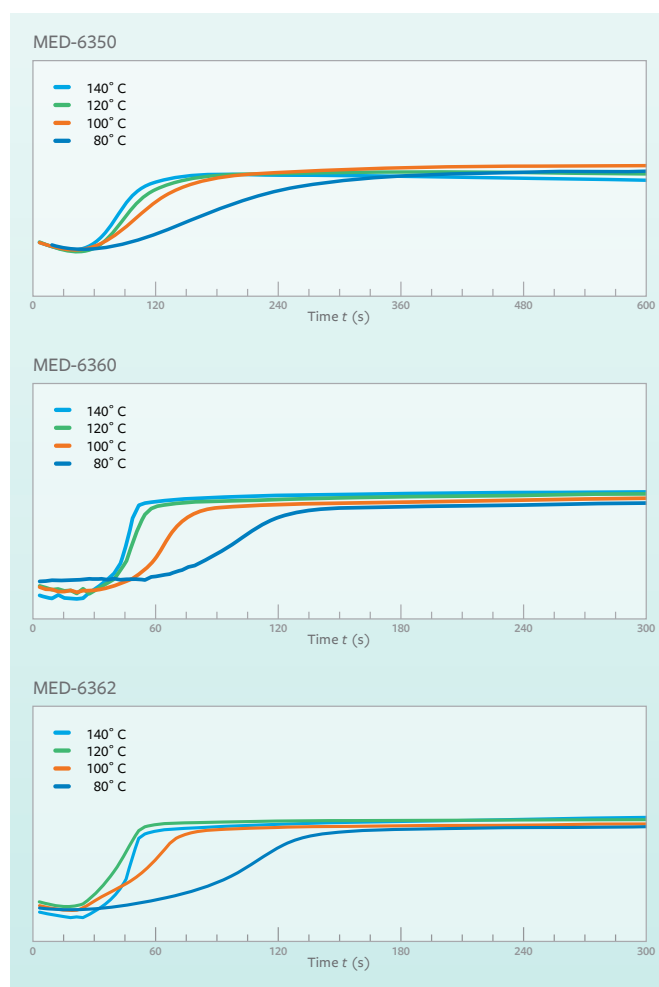
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### Cure Profiles of NuSil™ Soft Silicone Adhesives



The above graphs depict typical cure rates of NuSil™ SSAs over a range of temperatures.



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